

The Reduction of Janus Green as an Indication
of the Bacterial Content of Grain, by
W. Dierckens. UNCLASSIFIED

GERMANY, ~~exact par,~~ Getreide u Mehl, Vol II, No 6,
1952, pp 64-66.

DSIR/31919/CR

Sci - Biol, agriculture
Oct 58

74, 434

Participation of Enzymes in Formation of Fatty
Bitter Substance in Damaged Grains, by B. Thomas,
M. TM Rothe.

GERMAN, per, Getreide und Muhl, Vol IV, 1954,
pp 17-19.

GB/221

Sci-Biol

Aug 63

342,017

Hess, Kurt. PROTEIN MATTER AND BAKING QUALITY. [1963] 7p. 1 ref. Order from SLA \$1.10	63-14963 I. Hess, K.
Trans. of Getreide und Mehl (West Germany) 1955, v. 5, no. 11 [p. 82-84].	
DESCRIPTORS: *Proteins, *Bakery products, Cereals, *Flour, Starches, Chemical analysis.	
(Food, TT, v. 10, no. 5)	Office of Technical Services

Belderok, B.

THE VISCOMETRIC METHOD TO DETERMINE THE ALPHA-AMYLASE ACTIVITY IN THE INDIVIDUAL GRAIN KERNELS AND AS SUCH APPLICATION IN CONCEALED SPROUTING. [1963] 13p. 11 refs.
Order from SLA \$1.60

63-14865

Trans. of Getreide und Mehl (West Germany) 1957,
v. 7, no. 9, p. 77-80.

DESCRIPTORS: *Glycoside hydrolases, *Starches,
Flour, *Bakery products, Dextrans, *Viscosimeters,
Enzymes, *Seeds, Growth.

63-14865

I. Belderok, B.

(Food, TT, v. 10, no. 5)

Office of Technical Services

Importance for Bakability of Thiol and
Disulphide Groups in Gluten, by A. H. Bloksma.

GERMAN, per, Getreide und Mehl, Vol VIII, No 9,
1958.

GB/75/B.B.I.R.A. T.70

Sci-Biol & Med Sci
May 63

229, 881

Automatic Water Determination in Cereal Products Using
the Carl Fisher Reagent, by W. Seibel, H. Bolling,
14 p.

GERMAN, per, Getreide und Mehl, 1958, Vol VIII, No 10,
pp 73-76.

SLA 60-10123

Sci
Apr 60
Vol III, No 3

112,148

Protein Determination in Cereal by Application
of the Boric Acid and Formal Titration, by
D. W. Seibel, H. Bolling, 14 pp.

GERMAN, per, Getreide und Mehl, Vol VIII,
No 11, 1958, pp 86-88.

CRS 60-16577

Sci.

187, 772

3 Mar 62

Vol 4, No

Olerod, R.
A KINETIC METHOD FOR ALPHA-AMYLASE
ACTIVITY DETERMINATION IN BREAD CEREAL.
[1963] 9p. (figs. refs. omitted).
Order from SLA \$1.10

63-16490

Trans. of Getreide und Mehl (West Germany) 1959,
v. 9, no. 5, p. 49-52.

DESCRIPTORS: Flour, *Bread, *Cereals, Enzymes,
*Glycoside hydrolases, *Colorimetry.

63-16490

I. Olerod, R.

(Food, TT, v. 10, no. 8)

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Hampel, C. NEW PRINCIPLES FOR THE VALUATION OF RICE. [1960] 14p. (refs. omitted). Order from SLA mi\$2.40, ph\$3.30	61-10172 1. Rice--Standards 1. Hampel, C.	
Trans. of Getreide und Mehl (West Germany) 1959. v. 9, no. 10, p. 105-109.		

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Office of Technical Services

(Agriculture--Plant Cultivation, TT, v. 5, no. 2)

Changes in Wheat Due to Gamma-Irradiation, by
M. Milner, K. F. Finney,

GERMAN, per, Getreide und Mehl, Vol IX, No 10,
1959, pp 110-112.

Brief
Sci - Phys
Sep 60

~~available from~~
Pest Infestation Lab
Agricultural Research Council
London Road, Slough,
Buckinghamshire, England

Irradiation of Grain and Flour in Belgium,
by E. Maes, A. Deschraeder, G. Peeters, 12 pp.

GERMAN, per, Getreide und Mehl, Vol IX, 1959,
pp 117-119.

AEC RP-Tr-515

Sci - Biol
Apr 61

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The Treatment of Wheat With Ionizing Radiation,
Part I, ~~HTR~~ Effect on the Milling Qualities in
Hard Winterwheats, by W. Seibal, 13 pp.

GERMAN, per, Getreide und Mehl, Vol X, No 2,
1960, pp 13-16. 9080253

AERB, Harwell
NP- Tr-690

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Sci
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The Treatment of Wheat With Ionizing Radiation.
Part II. The Effect on the Pentosans and Baking
Properties of Hard Winter Wheat, by F. K. Finney,
M. Milner, W. Seibel, 20 pp.

GERMAN, per, Getreide und Mehl, Vol X, 1960,
pp 16-20.

AEC RP Tr-696

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Sci
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Behavior of Gluten Proteins in the Treatment of
Flour With Gamma Rays, by A. H. Duschreider, 21 pp.

GERMAN, per, Getreide Mahl, Vol X, No 5, 1960,
pp 49-54.

AEC-Tr-5738

Sci - Biol.

Aug 63

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Spicher, Gottfried.

THE MICROFLORA OF THE GRAIN IN SCREENROOM
AND MILLING DIAGRAM. I. RESEARCH ABOUT THE
EFFECTIVENESS OF STEAM CONDITIONING ON THE
GERM CONTENT OF THE WHEAT. [1963] [15]p. 9 refs.
Order from SLA \$1.60 63-14975

63-14975

I. Spicher, G.
II. Title: Research ...

Trans. of Getreide u[nd] Mehl (West Germany) 1960,
v. 10, no. 11, p. 121-128 (Federal Research Institute
for Grain Processing, Detmold (West Germany).
Publication-2677).

DESCRIPTORS: Microbiology, *Wheat, Bacteria,
*Flour, Heat treatment, Processing, Decontamination,
*Steam cleaning.

(Food, TT, v. 10, no. 4)

Office of Technical Services

Guilbot, A.
EXAMINATIONS OF STEROLESTERS IN CEREAL
AND THEIR SIGNIFICANCE FOR THE DISCRIMI-
NATION BETWEEN DURUM AND COMMON WHEAT.
25 Sep 61, 16p. 30 refs.
Order from SLA \$1.60

61-20737

Trans. of Getreide u[nd] Mehl (West Germany) 1961,
v. 11, no. 5, p. 49-53.

DESCRIPTORS: *Cereals, *Wheat, *Sterols, *Lipids,
Esters

(Agriculture, TT, v. 7, no. 4)

61-20737

I. Guilbot, A.

Office of Technical Services

Binding of Protein and Different Forms of Phosphorus
in Gluten, by A. Bourdet, J. Herard.
GERMAN, per, Getreide und Mehl, Vol XII, No 6, 1962,
pp 61-70.
GB/163/Anon

Apr 64
Sci - Chem

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Microscopical Studies on Waves, Second Part, by
W. Heesler, 8 pp.

GERMAN, no per, Cette u. Seifen, Vol LV, 1953,
pp 596-600.

S.L.A. Tr No 57-200

Sci - ~~Macromolecules~~ analytical
Apr 57
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Physiological Aspects of Industrial Fatigue,
by E. Atzler, 10 p.

GERMAN, per, Gewerbeleiss, 1929, Vol CVIII,
No 2/3, pp 35-42.

SLA 60-KU97

Sci
Apr 60
Vol III, No 3

111, 571

Inventor Compensation, by H. Schade, 8 pp.

GERMAN, per, Gewerblicher Rechtsschutz und Urheberrecht, No 3, 1962, pp 125-126.

Patent Office

WE - Germany
SOC

Sep 62

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Naebring, E.
THE DOCTRINE OF THE INVENTIVE LEVEL IN
GERMAN PATENT PROSECUTION. [1 June 59] [16]p.
37 refs.
Order from SLA \$1.60

62-14038

Partial trans. (excerpts from p. 57-62) of Gewerblic-
her Rechtsschutz und Urheberrecht (West Germany)
1959, v. 61, no. 2, p. 57-104.

DESCRIPTORS: *Patents, Inventions, *Germany,
Political science.

(Social Sciences, TT, v. 8, no. 5)

62-14038

I. Title: Patent law.
I. Naebring, E.

Office of Technical Services

jACB:cmw

The Trade Unions in the Countries of West Africa, 32 pp.

GERMAN, monograph, Die Gewerkschaften in den Ländern Westafrikas, 1961.

JPRS 6907

ME/A - Africa
See
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Regarding the Soviet Conception of Development Aid,
by Richard Schwertfeger, 8 pp. UNCL

GERMAN, per, Gewerkschaftliche Monatshefte, No 9,
1961, pp 526-529.

JPRS/SF-2008

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Econ

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J-1426/63

The Development of the Trade Union Movement of Nigeria,
by Herbert A. Tulatz, 1963. *Star Material Only*

GERMAN, bk, Die Gewerkschaftsentwicklung Nigerias,
1963, pp 1-160.

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*JPRS/SPECIAL/NY-7882

Africa - Nigeria
Soc
Oct 63

Weight-Optimization for Radiation Shields of big
Nuclear Reactors, by S. Sasse.
GERMAN, rpt, Gewichtsoptimalisierung von Abschirm-
schilden fur Gross-Reaktoren, 1964.
*AEC ORNL tr-1525

Sci/Nuclear Sci
Dec 66

The Endemic Goiter in the ~~SWEDEN~~ Netherlands.
Part II. The Thyroid Dysfunction in Endemic
Goiter, by J. Terpetia, 8 pp.

DUTCH, per, Gezondheidsorganisatie T.H.O.,
Assen 1959, pp 171-176.

NIN 2-8-62

191, 446

Sci - Med

Am 62

English Title Unknown, by G. L. Funke.
DUTCH, per, Ghent, Vol 4, No 2, June 1936, pp 67-84.
*NTIS TT 72-53948

Aug 72

English Title Unknown, by G. L. Funke.
DUTCH, per, Ghent, Vol 5, 1937, pp 30-44.
*NTIS TT 72-53044

Aug 72

Use of Multiple Regression to Represent the
Influence of Temperature, Wind Velocity,
Atmospheric Pressure, Saturation Deficit,
Insolation and Radiation on the Evaporating
Power of the Air., by I. Impens, J. Schalck.
GERMAN, per, Ghent. Rijkslandbouwhogeschool.
Laboratorium voor Plantecologie. Mededelingen.
No. 3, 1962, pp 21-55
CSIRO/No. 6942

Sci -
Aug 67 335-969

WELDING OF VERY THICK STEELS. Quarterly rept. no. 1, 1 Sep-31 Dec 61, on Contract 042-61-9 RDB. [1962] 162p.

Order from OTS or SLA \$12.00 EURAEC-273

Trans. of a rept. from Ghent U. (Belgium) and Soudometal Co. Ltd. Brussels (Belgium) n.d.

DESCRIPTORS: Nuclear reactors, Reactor materials, Pressure vessels, *Steel, *Welding, Welded joints, Fracture (Mechanics), Brittleness, Creep, Tests.

A survey was made of problems born of constructional particularities of the main types of reactor vessels being used at present. Preliminary studies were made of string-weave bead anomalies in the filler metal; of brittleness in the base metal, caused by plastic strain at different temperatures; and of brittleness in filler metal, caused by plastic strain at different temperatures.

62-33158

I. EURAEC-273
II. EURATOM (Belgium)

(Nuclear Physics--Nuclear Engineering, TT, v. 9, no. 5)
Office of Technical Services

Photogrammetric Recorder Devices, Analysis of the
Advantages and Disadvantage of Various Recording
Systems, by K. Seungolles, 10 pp.
GILLIAN, esp. Photogrammetrische Recordergeräte -
Beurachtungen über die Vor- und Nachteile der verschiedenen
Recordergerätesysteme.
SFD-TT-63-250

Sci - Phys
Mar 65

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Transfusion Treatment in Chronic Leukemias, by
N. D. Schoyer, M. Gorinchem, 7 pp.

GERMAN, per, Gids, Vol XXXIV, No 25, 6 Dec
1956, pp 477-480.

S.L.A. Tr 57-63

Sci - Medicine
Apr 57

46, 946

A Group-Theory Treatment of the Electron Bands
in the Diamond Lattice, by W. Doring, V. Zehler,
27 pp.

GERMAN, [REDACTED], Wesssen, Institute fuer Theor.
Physik der Justus-Liebig-Hochschule.

Emmanuel Coll Rec Lang Ctr
E-T-R-G-62-31

Sci - Phys, Electron
Aug 63

342,093

Increase and Pathogenic Operation of Virus, by
E. Mitzschke, 9 pp.

GERMAN, per, Giessener Hochschulblatter, 1961,
pp 8-12.

ACSI I-8141-A
ID 2203436

Sci - Biological & Med Sciences 225, 214
Mar 63

Experiences with High-Frequency Induction
Furnaces, by N. Broglie, 20 pp.

GERMAN, per, Giesserei, Vol XXIV, 1927, pp
73-80.

SLA 57-2371

Sci

Aug 58

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Special Alloys (Continuation), 15 p.

GERMAN, per, Giesserei, 1930, Vol XXVII, No 14,
pp 388-391. and No 19, pp 541-544.

SLA 59-20479

Sci
Mar 60
Vol 3, No 1

110,989

The Demands Placed Upon Men in the Foundry and the
Practical Evaluation of the Data in Practice, BY 7 p.

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GERMAN, per, Giesserei, 1950, Vol XVII, No 32,
pp 770-774.

SLA 60-10053

Sci
Apr 60
Vol XII, No 2

113, 558

The Influence of Industrial Development on Health,
by Ascher, 6 p.

GEIGER, par, Giesserei, 1930, Vol XVII, No 51/52,
pp 1211-1216.

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SLA 10054

Sci
Apr 60
Vol III, No 2

111, 614

Improvements in Manual Overhead Trolley Conveyors,
by Hans Schulze-Manitus, 5 p.

GERMAN, per, Giesserei, 1931, Vol XVIII, [Neue
Folge, Vol IV, No 5, pp 98-101.

SLA 59-20441

Sci
Mar 60
Vol 3, No 1

119, 965

Machine for Diecasting Brass (Technical Review),

GENFIAW, par, Giesserei, 1931, Vol. XVIII,
Neue Folge, Vol IV, No 7, pp 147-148.

SLA 59-20223

Sci
Mar 60
Vol 2, No 11

109602

<p>Lanzendorfer, E. INFLUENCE OF CAST-IN CHILLS ON THE DENSITY AND STRENGTH OF BESSEMER STEEL CASTINGS. [July 47] 11p. (6 figs. omitted). Order from SLA mif\$2.40, ph\$3.30</p> <p>Trans. of Giesserei (Germany) 1932, v. 19, no. [19/20] p. 181-186.</p> <p>142,801</p> <p>(Unannounced)</p>	<p>60-18299</p> <p>1. Steel castings--Mechanical properties</p> <p>1. Lanzendorfer, E.</p> <p>Office of Technical Services</p>
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1932	V19	N45/6	P450-464	70-23042	<0>/110
1933	V20	N33/4	P346-352	70-23041	<0>/114
1964	V16	M3	P149-154	385	<TC>

ORDER FROM NTC

Mechanical Properties of Cast Iron at High Temperatures,
by R. Bertschinger, E. Piwowarsky.

GERMAN, per, Die Giesserei, Vol XXII, 1935.

Bratcher Tr No 878

Scientific - Min/Metals \$1.20

14, 020

<p>Roll, F. THE QUALITATIVE AND QUANTITATIVE DETERMINATION OF SULFITE WASTE LIQUID. [1962] Sp. (figs. tables omitted) 6 refs. Order from SLA \$1.10</p> <p>62-16537</p> <p>Trans. of Giesserei (Germany) 1935, v. 22, no. 26, p. 628-630.</p> <p>DESCRIPTORS: Binders, Sulfites, Chemical waste, Detection (Chemical), Quantitative analysis.</p> <p>(Unannounced)</p>	<p>62-16537</p> <p>I. Roll, F.</p> <p>Office of Technical Services</p>
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Cast Camshafts and Crankshafts, by H. Cornelius,
F. Bollenrath.

GERMAN, per Die Giesserei, Vol. XXIII, 1936,
pp 229-236.

Brutcher Tr No 304

Scientific - Min/Metals \$6.30

15,884

Impact Strength and Notch Sensitivity of Cast Iron,
by E. Piwowarsky, 21 p.

GERMANY, per, Giesserei, 1936, Vol XXXI, No 26,
pp 674-685.

SLA 59-20438

Sci
Mar 60
Vol 3, No 1

111,009

Practical Experiences With High-Frequency Furnaces in
Foundries, by N. Broglie.

GERMAN, per, Giesserei, Vol. XXIV, 1937.

Brutcher Tr No 360

16,653

Scientific - Min/Metals \$6.20

Industrial Photography With Miniature Cameras,
by W. Anders, 7 pp.

GERMAN, per, Gieserei, Vol XXIV, 23 Feb 1937,
pp 80-83.

SIA 57-2188

May 58

64,567

Jurich, H.
PRIMARY ETCHING OF GRAY CAST IRON. [1962]
(figs. omitted) 3 refs.
Order from SLA \$1.10

62-20068

Trans. of Gießerei (Germany) 1937, v. 24,
p. 341-343.

DESCRIPTORS: *Cast iron, *Photoengraving,
Microstructure.

Two new general etching agents for the development of
the primary structure of gray cast iron have been dis-
closed. They are concentrated sulfuric acid + formic
acid and concentrated sulfuric acid + boric acid.
These agents are also particularly useful in those
cases where the primary structure of gray cast iron
and of malleable cast iron could not be made visible
with existing etching agents. The effect of the
(Metallurgy--Ferrous Metals, TT, v. 9, no. 8) (over)

I. Jurich, H.

62-20068

Office of Technical Services

Present Status of the Superheating of Melts of
Cast Iron, by E. Pivovarsky, 15 p.

GERMAN, per, Giesserei, 1937, Vol XXIV, No 21,
pp 510-518.

SLA 59-20439

Sci
Mar 60
Vol 3, No 1

11,010

REVIEW OF PAPERS READ AT THE SIXTH
ANNUAL MEETING OF THE FOUNDRY INSTITUTE
OF THE AACHEN INSTITUTE OF TECHNOLOGY
[1960] 17p.

Order from SLA \$1.60

60-18965

Trans. of Giesserei (Germany) 1937, v. 24, 24 Sep.
p. 490-494 and 8 Oct, p. 519-521.

DESCRIPTORS: Industrial research, *Foundries,
*Aluminum castings, Precipitation hardening, Heat
treatment, Aluminum alloys, Silicon alloys, Castings,
Magnesium alloys, *Rolling mills, *Gases,
*Machining, *Brittle materials, *Cast iron, Stresses,
*Crystallization, *Cupola furnaces, Melting, Metals,
Quality control, Management engineering, Personnel,
Industrial plants.

(Metallurgy, TT, v. 8, no. 11)

(over)

60-18965

1. Title: Silumins

Office of Technical Services

Chill Mold Casting of Aluminium Alloys, by
A. Vath, 14 p.

GERMAN, per, Giesserei, 1938, Vol XXV, Neue
Folge, Vol XI, no 8, pp 177-183.

SLA 59-20446

Sci
Mar 60
Vol 2, No 12

109, 195

Resow, H.
EFFECT OF MATERIAL, SHAPE AND MOULDING
TECHNIQUE ON THE EFFICIENCY OF THE STEEL
FOUNDRY. [1961] [7lp].
Order from SLA \$1.10

61-18506

Trans. of Giesserei (Germany) 1938, v. 25, 9 Sep,
p. 447-450.

DESCRIPTORS: *Steel industry, Design, *Steel casting
Molding.

61-18506

I . Resow, H.

1840 w/4

Office of Technical Services

(Unannounced)

Flame Hardening of Gray Cast Iron and Malleable
Cast Iron, by G. Kritzler, F. Roll, 15 pp.

GERMAN, per, Giesserei, Vol XXV, 1938, pp
609-616.

7

SLA 2658

Sci - Min/Met

58, 4446

Feb 58

The Utilization of Nickel Scrap and Wastes in
the Foundry, by Edmund R. Thews, 6 p.

GERMAN, per, Giesserei, 1939, Vol XXVI,
Neue Folge Vol XII, No 5, pp 121-123.

SLA 59-20226

Sci
Mar 60
Vol 2, No 12

109,242

The Development of Zinc Alloys Since 1900,
by A. Burkhardt, 18 pp.

GERMAN, per, Giesserei, Vol XXVI, Sep 1939,
pp 484-487; Oct 1939, pp 505-508.

SLA 57-1053

May 58

63,871

The Effect of Cerium on Cast Iron, by W. Baukloh,
H. Meierling.

GERMAN, per, Die Giesserei, Vol XXVII, 1940.

Brutcher Tr 1433

Scientific - Min/Metals \$4.10

12,742

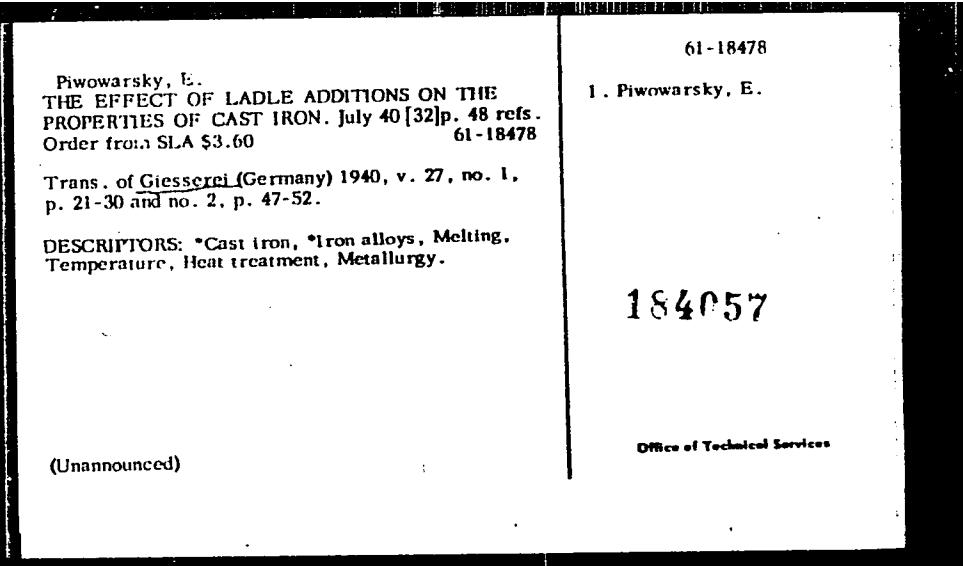
Comparison of Aluminum Sand Casting and Chill Mold
Casting, by A. von Zeerleder, 6 p.

GERMAN, per, Giesserei, 1940, Vol XXVII, No 1,
pp 12-14.

SLA 59-20440

Sci
Mar 60
Vol 3, No 1

110, 964



Piwowarsky, E.
LADLE ADDITIONS TO CAST IRON. Oct 40, 3p.
20 refs.
Order from SLA \$1.10

61-18477

Trans. of Giesserei (Germany) 1940, v. 27, 5 Apr.
p. 124-125.

DESCRIPTORS: Cast iron, Additives, Metallurgical
analysis.

61-18477

I. Piwowarsky, E.

184056

(Unannounced)

Office of Technical Services

Chworinoff, N.
THEORY OF THE SOLIDIFICATION OF CASTINGS.
[1961] 44p. 13 refs.
Order from SLA \$4.60

61-18498

Trans. of Giesserei (Germany) 1940, v. 27, 17 May,
p. 177-186; 31 May, p. 201-208; 14 June, p. 222-225.

DESCRIPTORS: *Steel castings, Processing, Heat
treatment, Hardening, Castings.

61-18498

I. Chworinoff, N.

(Unannounced)

184060

Office of Technical Services

Endeli, K., Reininger, H. and others.
THE IMPORTANCE OF THE SWELLING PROPERTIES
OF CLAY BINDERS FOR FOUNDRY SANDS. June 43
[29]p. 46 refs.
Order from SLA \$2.60

Trans. of Giessercl (Germany) 1940, v. 27, 29 Nov.
p. 465-475 and 15 Dec, p. 499-502.

DESCRIPTORS: *Sand, *Binders, *Molding materials,
*Clays.

(Unannounced)

61-18476

I . Endell, K.
II . Reininger, H.

184055

Office of Technical Services

Experiences with the Radiographic Examination of
Magnesium Castings for Shop and Acceptance In-
spection, by A. A. P. Goedaritz, 11 pp.

GERMAN, per, Giesserei, No 10, 1941, pp 217-224.

MLA 58-438

Sci

Aug 59

95, 714

Bertschinger, R. and Piwowarsky, E.
FATIGUE STRENGTH AND NOTCH SENSITIVITY IN
CAST IRON. I. THE INFLUENCE OF FREQUENCY,
TEMPERATURE AND THE METALLIC MATRIX
(Werkstoff Gussisen: Ermüdungsfestigkeit und Kerbsicherheit. I. Einfluss der Frequenz, der Temperatur und der Metallischen Grundmasse). Feb 43 [30]p.
(foreign text included) 30 refs.

Order from SLA \$2.60

61-18554

Trans. of Glesserei (Germany) 1941, v. 28, no. 17,
p. 365-372 and no. 18, p. 385-389.

DESCRIPTORS: *Cast iron, Fatigue (Mechanics),
*Metallurgical analysis, Heat treatment, Iron, Castings.

(Unannounced)

61-18554

I. Berstscherger, R.
II. Piwowarsky, E.

184097

Office of Technical Services

<p>Hollinderbäumer, W. CONVERTER PRACTICE. [1961] 4p. Order from SLA \$1.10 61-18873 Trans. of Glesserei (West Germany) 1941 [v. 28] p. 491-492. DESCRIPTORS: *Steel castings, Castings, Manufacturing methods.</p>	<p>61-18873 1. Title: Converter practice I. Hollinderbäumer, W. Office of Technical Services</p>
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<p>Tobias, P. and Brinkmann, G. ON THE PRESENT POSITION OF CORE BINDERS. [1961] [6]p. 2 refs. Order from SLA \$1.10 Trans. of <u>Gießerei</u> (Germany) 1941, v. 28, 12 Dec. p. 501-503.</p> <p>DESCRIPTORS: *Binders, Castings.</p> <p>(Machinery--Manufacturing, TT, v. 6, no. 6)</p>	<p>61-18504</p> <p>I. Tobias, P. II. Brinkmann, G.</p> <p>176619</p> <p>Office of Technical Services</p>
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Knipp, E. and Emde, G.
NEW METHODS IN MOULD MATERIAL ECONOMY.
Rept. no. 1 of the [Steel Castings Committee] of the
Verein Deutscher Giesserei-fachleute. [1961] [41]p.
45 refs. 61-18503
Order from SLA \$4.60

Trans. of Giesserei (Germany) 1941, v. 28; 28 Nov.
p. 481-491 and 12 Dec., p. 503-514.

DESCRIPTORS: *Molding materials, Steel castings,
*Steel industry, Casts, Castings.

(Unannounced)

61-18503

I . Knipp, E.
II . Kmde, G.
III - Title: Verein...

184073

Office of Technical Services

Influence of Thorium on Cast Iron, by W. Bauckhahn,
Heierling.

GERMAN, per, Die Giesserei, Vol XXIX, 1942.

Bratcher Tr 1470

Scientific - Min/Metals \$1.60

12,743

61-18499

Juretzek, Hubert.
ALLOY STEEL CASTINGS, THEIR PROPERTIES AND
APPLICATION. Rept. no. 3 of the Steel Castings
Committee of the Verein Deutscher Glesserei-fachleute.
[1961] 31p. (9 figs. omitted) 12 refs.
Order from SLA \$3.60

I . Juretzek, H.
II . Title: Verein...

61-18499

Trans. of Glesserei (Germany) 1942, v. 29, 26 June,
p. 217-226 and 10 July, p. 243-249.

DESCRIPTORS: *Steel castings, *Cast steel, *Heat
resistant alloys, Castings.

(Unannounced)

184070

Office of Technical Services

Relationship Between Composition and Mechanical
Properties of Cast Iron, by G. Drinkmann, P. Tobias.

GERMAN, per, Die Giesserei, Vol XXIX, 1942,
pp 317-320.

Brutcher Tr No 1455

Scientific - Min/Metals \$3.35

16, 438

The Pressure Die Casting Industry, by Karl Mattheus,
3 pp.

GERMAN
Gesamt, per, Die Gießerei, Vol XXIX, No 12, June
1942.

S.L.A. Tr 102/1956

34, 012

Scientific - Engineering

<p>Endell, K. and Strasmann, W. SYNTHETIC FOUNDRY SANDS WITH CEMENT AS A BINDER. Rept. no. 2 of the Fachausschuss Grauguss of the Verein Deutscher Gießerei-fachleute. [Sep '46] 15p. (2 figs. omitted) 39 refs. Order from SI.A mi\$2.40, ph\$3.30.</p> <p>Trans. of <u>Gießerei</u> (Germany) 1942, v. 29, 16 Oct, p. 349-356.</p> <p style="text-align: right;">146, 770</p> <p>(Unannounced)</p>	<p>60-18811</p> <p>1. Sand--Bonding 2. Cement--Applications 3. Molding materials-- Development 4. Title: Foundry sand I. Endell, K. II. Strasmann, W. III. Title: Verein Deutscher Gießerei-fachleute, Rept. -2</p> <p style="text-align: center;">Office of Technical Services</p>
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<p>Stolle, Rudolf. BESSEMER SHOP PRACTICE. [July 46] 13p. Order from SLA m\$2.40, ph\$3.30 60-18810 Trans. of Glesserei (Germany) 1942, v. 29, 11 Dec, p. 413-419.</p> <p><i>142,863</i></p> <p>(Unannounced)</p>	<p>60-18810</p> <p>1. Steel--Production 2. Title: Bessemer-Shop I. Stolle, R.</p> <p>Office of Technical Services</p>	
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Melts
Influence of Slags on Cast Iron ~~XXXXX~~, by
P. Bardenheuer.

GERMAN, per, Die Giesserei, Vol XXX, 1943.

Brutcher Tr 1780

Scientific - Min/Metals \$5.60

12,865

Notch Impact Toughness of Cast Steel at Low
Temperatures, by H. Juretzek, W. Trommer

GERMAN, per, Giesserei Dusseldorf, Vol XXX, No 2,
22 Jan 1943, pp 21-24. *(Handwritten)*

TPA3/TIB T 4145

8871

Scientific - Minerals/Metals
GTS/DEX

The Principles of Welding Cast Magnesium Alloys,
by K. Grassmann.

GERMAN, per. Giesserei, Vol XXX, No 7/9, 10/11,
Apr/May 1963, pp 107-110, 129-132.

TPA3/TIB T 4223

Scientific - Minerals/Metals
May 54 CIS

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APPLICATION POSSIBILITY OF SYNTHETIC RESINS AS GRAIN BINDERS. [1961] [4]p. (3 refs.
1 fig. omitted).
Order from SLA \$1. 10

62-10249

Partial trans. of die Giesserei (Germany) 1943
[v. 30, no. 11] p. 249ff.

DESCRIPTORS: *Plastics, *Binders, Ureaformaldehyde resins, Sand, Mixtures, Humidity, Moisture, Preparation, Resins.

62-10249

(Materials--Plastics, TT, v. 7, no. 9)

Office of Technical Services

Influence of Rate of Load Application in Tensile
Testing Upon the Strength of Cast Iron, by F. Bischof.

GERMAN, Die Giesserei, Vol XXXI, 1944.

Brutcher Tr No 1823

14, 948

Scientific - Min/Metals \$1.30

Influences of Phosphorus on Hardness of Cast
Iron on Quenching, by F. Bischof.

GERMAN, Die Giesserei, Vol XXXI, Nos 8, 9,
1944.

Brutcher Tr No 1676

Scientific - Min/Metals \$3.60

14,947

The Creep Strength of Cast Aluminium Alloys,
by H. Voskuhler, 8 pp.

GERMAN, per, Giesserei, Vol IV, Dec 1950,
pp 171-174.

SLA 1990

Sci - Minerals/Metals
Oct 57

54, 035

Effect of Various Alloying Elements on the Properties
of Cast Iron, Particularly on Thermal Stability,
by H. Timmerbeil.

GERMAN, per, Die Giesserei, Vol XXXVIII, No 2, 1951,
pp 25-29.

Brutcher Trans No 2914

Scientific - Metallurgy, alloys, iron

The Rapid Determination and Correction of the Phosphorus Content of Molten Copper and Copper Alloys in the foundry, by H. Zeppelin, 4 pp.

GERMAN, per, Giesserei, Vol XXXVIII, 8 Feb 1951,
pp 51, 52.

SLA 2327

Sci - Minerals/Metals
Oct 57

54, 040

Residual Stresses in Continuously Cast Aluminum Bars,
by G. Seeger.

Full translation.

GERMAN, per, Glesserei, Vol XXXVIII, No 14, 1951,
pp 325-329.

Brutcher Tr 2916

Scientific - Cast aluminum, alloys, stress state

Contribution to Ingot-Mold Making, by E. Feil.

GERMAN, Die Giesserei, Vol 38, 1951, No 24,
pp 345-355.

Brutcher Tech Tr 2894

Media for Fluxing, Purifying, Degassing, Desulfurizing, and for Preventing Shrinkage Cavities in Nonferrous Metals and Iron and Steel Castings, by E. Piwowarsky.

GERMAN, Die Giesserei, Vol 38, 1951, No 18, pp 417-422.

Brutcher Tech Tr 2897

Statistical Research into Productivity Increases
at Electric Steel Foundries, by W. Trenner,
UNCLASSIFIED

GERMAN, Giesserei, Vol 38, 1951, No 18,
pp 422-426.

Brutcher Order No 2939

Scientific - Metallurgy, steel, foundry

February 1953

Timmerbell, H., Clas, G., and Mattern, O.
THE THERMAL STABILITY OF CAST-IRON AND
THE EFFECT OF VARIOUS ALLOYING ELEMENTS
(Die Thermische Beständigkeit von Gusseisen und der
Einfluss Verschiedener Legierungselemente). [1961]
[29]p. (foreign text included) 9 refs.
Order from SLA \$2.60

62-10533

- I. Timmerbell, H.
II. Clas, G.
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IV. Verein...

Trans. of Giesserei (West Germany) 1951, v. 38,
p. 476-482 (Verein Deutscher Giessereifachleute,
Bericht 5).

DESCRIPTORS: *Cast iron. *Refractory coatings,
*Heat resistant alloys, Carbides, Pearlite, Phosphorus,
Silicon, Aluminum, Chromium, Carbon, Alloys, Scale

(Metallurgy--Ferrous Metals, TT, v. 7, no. 11)

Office of Technical Services

Contribution on the Grain Structure and Annealing
of Side-Blown Converter Steel Castings, by
F. Roll. UNCL

GERMAN, per, Glosserei, 24 Jan 1952, pp 30, 31.

British Iron and Steel Ind
(no number given)

Sci - Engr
Sep 59

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Synthetic Moulding Sand: Method and Value of Its Application in Iron and Steel Foundries, by H. Gries, W. Trummer. UNCL

GERMAN, per, Gieesserei, 10 Jul 1952, pp 333-341.

British Iron and Steel Ind
(no number given)

Sci - Min/Met
Sep 59

98,080

Working With Synthetic Mould Sand, by H. Gries,
W. TRAMMER. UNCL

GERMAN, per, Gieserei, 10 Jul 1952, pp 341-343.

British Iron and Steel Ind
(no number given)

Sci - Min/Met
Sep 59

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Zschintzsch, W.

A FOUNDRY PLANT WITH CHANNEL-LESS LINE-FREQUENCY INDUCTION CRUCIBLE FURNACES FOR SMELTING MAGNESIUM ALLOYS (Ein Gießereibetrieb mit Rissenselosen Netzfrequenz-Induktionsstiegen zum Schmelzen von Magnesiumlegierungen). [1963] [27p] (foreign text included) 4ref's

Order from SLA \$2.60

TT-64-10789

Trans. of Giesserei (West Germany) 1952, v. 39,
p. 381-387.

TT-64-10789

I. Zschintzsch, W.

(Metallurgy--Light Metals, TT, v. 11, no. 12)

Office of Technical Services

The Croning Shell-Molding Process, by F. Polzguter.

GERMAN, per., Die Gießerei, Vol XXXIX, No 19, 1952,
pp 467-472.

Brutcher Tr 3183

Scientific - Minerals/Metals

Nov 53 CTS

Price \$5.60

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<p>Büchen, W. PURIFICATION OF ALUMINUM MELTS WITH CHLORINE GAS IN THE FOUNDRY. [1963] 22p. (figs. omitted) 23 refs. Order from SLA \$2.60</p> <p>Trans. of Giesserei (West Germany) 1952, v. 39, no. 19, p. 491-498.</p> <p>DESCRIPTORS: Foundries, *Gases, *Chlorine, Melting, *Aluminum, Purification, Casting, Safety, Refineries.</p> <p>After introductory characterization of the purpose of the work, the specific details of a use of chlorine gas were discussed in connection with the presentation of the necessity for a refining of aluminum melts for high grade casting, and the primary reactions taking place in it, which lead to aluminum and magnesium (Engineering--Chemical, TT, v. 10, no. 3) (over)</p>	<p>63-14150</p> <p>I. Büchen, W.</p> <p>63-14150</p> <p>Office of Technical Services</p>
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New Experiences with Die-Cast Mold Steels,
by H. M. Hiller, 36pp.
GERMAN, per, Giesserei, Vol 40, No 1, 1953,
pp 16-24.
CFSTI TT-64-18929.

322,671

Sci - Metallurgy
Apr 67

Physical-Chemical Principles Of the Technique In the
Pouring of Steel, by W. Trommer, 6 pp.
UNCLASSIFIED

GERMAN, per, Gleeser, Vol XL, No 3, 5 Feb 1955,
pp 69-75.

Navy Tr 920/MRL 460

Scientific - Min/Metals Dec 53 GFS/DEK

8638

Practical Experiences With Spheroidal Graphite Cast Iron, by H. Gries

GERMAN, per, Giesserei, Vol XL, No 4, 1953, pp
93-103.

Brutcher Tr 3174

Scientific - Minerals/Metals
CTS/DEX Price \$7.40

9284

The Desulphurization of Iron in Foundry Practice,
by K. Roosch. UNCL

GETLICH, per, Glosscoed, 30 Apr 1953, pp 230-234.

British Iron and Steel Ind
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Sci - Min/Met
Sep 59

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